Review of: "Bridging Classical and Computational Physics: Integrating Unsolvable Differential Equations into Undergraduate Education"

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Potential competing interests: No potential competing interests to declare.

This paper bridges the gap between mathematical equations, specifically ordinary differential equations and partial differential equations, describing various physical systems and their numerical solutions. The paper is well organized and presented. However, there are a few queries to address:

1. Why does the author need to publish the paper with this title, as there are already courses in undergraduate physics curricula with the title "Mathematical Methods for Physics," covering all the stuff, that is, mathematical models as well as their analytical and numerical solutions?

2. Is this study limited to a particular institution, or can it be generalized and implemented in different institutions across the globe? As I already mentioned in comment 1 regarding the course "Mathematical Methods for Physics," this can be discussed in the introductory section.

3. Authors should discuss research gaps in the abstract and conclusion sections.

4. Why has the author chosen only specific techniques such as the finite difference method to solve differential equations, as there are already various analytical and numerical techniques available to solve ODEs and PDEs, such as the method of separation of variables, the method of characteristics, the Fourier expansion method, and the Laplace transform technique?

5. Limitations and future directions may be discussed in the conclusion section.